## Results for SEQ ID No. 5

```
LOCUS
            BE652532
                                     517 bp
                                               mRNA
                                                        linear
                                                                 EST 06-SEP-2000
DEFINITION
            UI-M-AM0-adp-b-06-0-UI.rl NIH BMAP MAM Mus musculus cDNA clone
            UI-M-AM0-adp-b-06-0-UI 5', mRNA sequence.
ACCESSION
            BE652532
            BE652532.1 GI:9978333
VERSION
KEYWORDS
            EST.
SOURCE
            Mus musculus (house mouse)
  ORGANISM Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciuroqnathi; Muridae; Murinae; Mus.
               (bases 1 to 517)
REFERENCE
            1
            Bonaldo, M.F., Lennon, G. and Soares, M.B.
  AUTHORS
  TITLE
            Normalization and subtraction: two approaches to facilitate gene
            discovery
  JOURNAL
            Genome Res. 6 (9), 791-806 (1996)
  MEDLINE
            97044477
   PUBMED
            8889548
COMMENT
            Contact: Chin, H
            National Institute of Mental Health
            6001 Executive Blvd. Room 7N-7190, MSC 9643, Bethesda, MD
            20892-9643, USA
            Tel: 301 443 1706
            Fax: 301 443 9890
            Email: mEST@mail.nih.gov
            cDNA Library Preparation: M.B. Soares Lab Clone distribution:
            Researchers may obtain BMAP cDNA clones from RESEARCH GENETICS. It
            should be noted that Bento Soares is generating a small number of
            additional specialized non-redundant arrays of BMAP cDNAs whose
            availability will be considered under appropriate and limited
            collaborative arrangements
            Seq primer: M13 Reverse.
FEATURES
                     Location/Oualifiers
                     1. .517
     source
                     /organism="Mus musculus"
                     /mol type="mRNA"
                     /strain="C57BL/6J"
                     /db xref="taxon:10090"
                     /clone="UI-M-AM0-adp-b-06-0-UI"
                     /dev stage="27-32 days"
                     /lab_host="DH10B (Life Technologies)"
                     /clone lib="NIH BMAP MAM"
                     /note="Vector: pT7T3D-Pac (Pharmacia) with a modified
                     polylinker; Site 1: Not I; Site 2: Eco RI; The
                     NIH BMAP MAM library is a non-normalized library
                     constructed from mouse amygdala. The tag is a string of 5
                     nucleotides present between the Not I site and the
                     oligo-dT track. The library was constructed as described
                     by Bonaldo, Lennon and Soares, Genome Research 6: 791-806
                     , 1996. Tissue provided by Ms. Annie Novakovich,
                     Zivic-Miller Laboratories."
BASE COUNT
                191 a
                         101 c
                                  132 g
ORIGIN
```

```
100.0%; Pred. No. 9.1e-77;
 Best Local Similarity
 Matches 354; Conservative
                          0; Mismatches
                                            0;
                                                Indels
                                                        0; Gaps
                                                                   0;
          1 CATCAGACAGACCGGACGGAACTGGAGAACCGGCTGAAGGACTTATACACCGCAGAGTGT 60
Qу
            Db
         91 CATCAGACAGACCGGACGGAACTGGAGAACCGGCTGAAGGACTTATACACCGCAGAGTGT 150
         61 GAGAAGCTTCAGAGCATTTACATTGAGGAGGCAGAAAAATATAAAACTCAACTGCAAGAG 120
Qу
            151 GAGAAGCTTCAGAGCATTTACATTGAGGAGGCAGAAAAATATAAAACTCAACTGCAAGAG 210
Db
        121 CAGTTTGACAACTTAAACGCCGCCCATGAGACCACTAAGCTTGAGATTGAAGCTAGCCAC 180
Qу
            211 CAGTTTGACAACTTAAACGCCGCCCATGAGACCACTAAGCTTGAGATTGAAGCTAGCCAC 270
Db
        181 TCGGAGAAGGTGGAATTGCTGAAGAAGACCTATGAAACCTCCCTTTCAGAAATCAAGAAG 240
Qу
            Db
        271 TCGGAGAAGGTGGAATTGCTGAAGAAGACCTATGAAACCTCCCTTTCAGAAATCAAGAAG 330
        241 AGCCATGAGATGGAGAAGAAGTCACTGGAGGATCTGCTTAATGAGAAGCAGGAATCGCTG 300
Qу
            331 AGCCATGAGATGGAGAAGAAGTCACTGGAGGATCTGCTTAATGAGAAGCAGGAATCGCTG 390
Db
        301 GAGAAACAATCAATGATCTGAAGAGTGAAAACGATGCTTTAAACGAAAGGTTG 354
Qу
            Db
        391 GAGAAACAAATCAATGATCTGAAGAGTGAAAACGATGCTTTAAACGAAAGGTTG 444
AA880300
LOCUS
                                gd 002
                                         mRNA
                                                linear
                                                        EST 26-MAR-1998
          AA880300
          vx39f05.rl Stratagene mouse lung 937302 Mus musculus cDNA clone
DEFINITION
          IMAGE: 1277601 5', mRNA sequence.
ACCESSION
          AA880300
          AA880300.1 GI:2989283
VERSION
          EST.
KEYWORDS
SOURCE
          Mus musculus (house mouse)
 ORGANISM
          Mus musculus
          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
          Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE
            (bases 1 to 500)
 AUTHORS
          Marra, M., Hillier, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T.,
          Geisel, S., Kucaba, T., Lacy, M., Le, M., Martin, J., Morris, M.,
          Schellenberg, K., Steptoe, M., Tan, F., Underwood, K., Moore, B.,
          Theising, B., Wylie, T., Lennon, G., Soares, B., Wilson, R. and
          Waterston, R.
 TITLE
          The WashU-HHMI Mouse EST Project
 JOURNAL
          Unpublished
COMMENT
          Contact: Marra M/Mouse EST Project
          WashU-HHMI Mouse EST Project
          Washington University School of MedicineP
          4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
          Tel: 314 286 1800
          Fax: 314 286 1810
          Email: mouseest@watson.wustl.edu
          This clone is available royalty-free through LLNL; contact the
          IMAGE Consortium (info@image.llnl.gov) for further information.
```

100.0%; Score 354; DB 10; Length 517;

Query Match

```
MGI:669401
          Seq primer: -28ml3 rev1 ET from Amersham
          High quality sequence stop: 464.
FEATURES
                  Location/Qualifiers
                  1. .500
    source
                  /organism="Mus musculus"
                  /mol type="mRNA"
                  /strain="C57BL/6 x CBA"
                  /db xref="taxon:10090"
                  /clone="IMAGE:1277601"
                  /sex="female"
                  /tissue_type="lung"
                  /dev stage="6-8 month old"
                  /lab host="SOLR (kanamycin resistant)"
                  /clone lib="Stratagene mouse lung 937302"
                  /note="Organ: lung; Vector: pBluescript SK-; Site 1: EcoRI
                  ; Site 2: XhoI; Cloned unidirectionally. Primer: Oligo
                  dT. 6-8 month old female lung and 1.5 year old male lung
                  were source of mRNA. Average insert size: 1.5 kb; Uni-ZAP
                  XR Vector; ~5' adaptor sequence: 5' GAATTCGGCACGAG 3' ~3'
                  adaptor sequence: 5' CTCGAGTTTTTTTTTTTTTTT 3'"
BASE COUNT
             162 a
                     115 c
                             128 q
                                     95 t
ORIGIN
                      78.5%; Score 278; DB 9; Length 500;
 Query Match
                      100.0%;
 Best Local Similarity
                              Pred. No. 4.5e-58;
 Matches 278; Conservative
                           0; Mismatches
                                           0; Indels
                                                       0;
                                                          Gaps
                                                                  0;
          1 CATCAGACAGACCGGACGGACTGGAGAACCGGCTGAAGGACTTATACACCGCAGAGTGT 60
Ov
            Db
        223 CATCAGACAGACCGGACGGAACTGGAGAACCGGCTGAAGGACTTATACACCGCAGAGTGT 282
         61 GAGAAGCTTCAGAGCATTTACATTGAGGAGGCAGAAAAATATAAAACTCAACTGCAAGAG 120
QУ
            283 GAGAAGCTTCAGAGCATTTACATTGAGGAGGCAGAAAAATATAAAACTCAACTGCAAGAG 342
Db
QУ
        121 CAGTTTGACAACTTAAACGCCGCCCATGAGACCACTAAGCTTGAGATTGAAGCTAGCCAC 180
            343 CAGTTTGACAACTTAAACGCCGCCCATGAGACCACTAAGCTTGAGATTGAAGCTAGCCAC 402
Db
        181 TCGGAGAAGGTGGAATTGCTGAAGAAGACCTATGAAACCTCCCTTTCAGAAATCAAGAAG 240
Qу
            403 TCGGAGAAGGTGGAATTGCTGAAGAAGACCTATGAAACCTCCCTTTCAGAAATCAAGAAG 462
Db
        241 AGCCATGAGATGGAGAAGAAGTCACTGGAGGATCTGCT 278
Qу
            463 AGCCATGAGATGGAGAAGAAGTCACTGGAGGATCTGCT 500
Db
```